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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
Sheet	1	of	4	Attorney Docket Number	0135-0090.03

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
JEV	1	4,269,305		Fryatt	05/26/1981	
JEV	2	4,730,718		Fazio et al.	03/15/1988	
JEV	3	5,042,644		Davis	08/27/1991	
JEV	4	5,092,451		Jones et al.	03/03/1992	
JEV	5	5,427,223		Van Den Goor	06/27/1995	
JEV	6	5,435,429		Van Den Goor	07/25/1995	
JEV	7	5,590,995		Berkers et al.	01/07/1997	
JEV	8	5,641,056		Lem	06/24/1997	
JEV	9	5,657,858		Van Den Goor	08/19/1997	
JEV	10	5,667,054		Van Den Goor	09/16/1997	
JEV	11	5,180,504		Johnson et al.	01/19/1993	
JEV	12	5,676,237		Lem	10/14/1997	
JEV	13	5,695,042		Van Der Burgt et al.	12/09/1997	
JEV	14	5,826,695		Van Den Goor	10/27/1998	
JEV	15	5,826,704		Van Den Goor	10/27/1998	
JEV	16	5,839,570		Vertogen et al.	11/24/1998	
JEV	17	5,909,797		Van Den Goor	06/08/1999	
JEV	18	5,944,171		Vertogen et al.	08/31/1999	
JEV	19	6,105,751		Jentijens et al.	08/22/2000	
JEV	20	6,035,998		Garzelloni	03/14/2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
JEL	41	UK	GB 2 187 156	A	Logan Fenamec (UK) Limited	09/03/1987		
JEL	42	EP	0 310 411	B1	Logan Fenamec (UK) Limited	04/05/1989		
JEL	43	UK	GB 2 210 841	A	Logan Fenamec (UK) Limited	06/21/1989		
JEL	44	PCT	WO 94/18101	A1	Logan Fenamec (UK) Limited	08/18/1994		

Examiner Signature	<i>Joseph Valenzuela</i>	Date Considered	9/29/04
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Application Number	
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U. S. PATENT DOCUMENTS

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JEL	21	US- 1,168,865	01/1916	Drake	
JEL	22	US- 3,456,773	7/22/1969	J.E. Titmas,	
JEL	23	US- 4,249,661	2/10/1981	Lem	
JEL	24	US- 4,511,030	4/16/1985	Lem	
JEL	25	US- 4,696,386	9/29/1987	Lem	
JEL	26	US- 4,926,999	5/22/1990	Fauth, Sr. et al.	
JEL	27	US- 4,930,623	06/1990	Johnson et al.	
JEL	28	US- 4,962,841	10/16/1990	Kloosterhouse	
JEL	29	US- 5,165,516	11/24/ 1992	Reed et al.	
JEL	30	US- 5,205,394	4/27/1993	Zeuschner	
JEL	31	US- 5,311,983	05/1994	Clopton	
JEL	32	US- 5,316,134	5/1994	Donohue	
JEL	33	US- 5,984,498	11/16/1999	Lem et al.	
JEL	34	US- 6,012,568	01/2000	Kane	
JEL	35	US- 6,085,892	7/11/2000	Lem et al.	
JEL	36	US- 6,359,247	3/19/2002	Lem et al.	
JEL	37	US- 6,378,687	4/30/2002	Lem et al.	
JEL	38	US- 6,427,831	08/2002	Norton	
JEL	39	US- 6,466,828	10/15/2002	Lem et al.	

FOREIGN PATENT DOCUMENTS

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Signature**

Joseph Valencia

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				Group Art Unit	
				Examiner Name	
Sheet	4	of	4	Attorney Docket Number	0135-0090.03

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